

Data File : BM022384.D  
Acq On : 28 Aug 2019 12:21  
Operator : HP/JU  
Sample : K4395-04DL 10X  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AE2DL

Manual Integrations  
APPROVED

mohammad  
8/29/2019 7:52:16 AM

Quant Time: Aug 29 02:18:21 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM082219MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Aug 28 13:13:56 2019  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.54  | 152  | 24010    | 20.00 | ng/ul | -0.01    |
| 18) Naphthalene-d8        | 10.31 | 136  | 109910   | 20.00 | ng/ul | -0.01    |
| 35) Acenaphthene-d10      | 14.19 | 164  | 83431    | 20.00 | ng/ul | -0.02    |
| 61) Phenanthrene-d10      | 16.96 | 188  | 201699m  | 20.00 | ng/ul | -0.02    |
| 77) Chrysene-d12          | 21.17 | 240  | 184712   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.36 | 264  | 171895   | 20.00 | ng/ul | -0.01    |

|                                |       |     |       |      |       |       |
|--------------------------------|-------|-----|-------|------|-------|-------|
| System Monitoring Compounds    |       |     |       |      |       |       |
| 3) 1,4-Dioxane-d8              | 0.00  | 96  | 0     | 0.00 | ng/uL |       |
| 5) Phenol-d5                   | 6.73  | 99  | 1561  | 0.75 | ng/ul | -0.01 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.90  | 67  | 3903  | 3.24 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.07  | 132 | 4419  | 2.64 | ng/ul | -0.01 |
| 13) 4-Methylphenol-d8          | 8.27  | 113 | 2919  | 1.63 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 8.72  | 128 | 2619  | 3.20 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.42  | 143 | 2656  | 2.78 | ng/ul | -0.01 |
| 26) 2,4-Dichlorophenol-d3      | 9.96  | 165 | 6311  | 3.25 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.49 | 131 | 1965m | 0.83 | ng/ul | 0.00  |
| 43) Dimethylphthalate-d6       | 13.62 | 166 | 25758 | 3.51 | ng/ul | -0.01 |
| 46) Acenaphthylene-d8          | 13.89 | 160 | 24469 | 3.09 | ng/ul | -0.01 |
| 51) 4-Nitrophenol-d4           | 0.00  | 143 | 0d    | 0.00 | ng/ul |       |
| 57) Fluorene-d10               | 15.20 | 176 | 22170 | 3.64 | ng/ul | -0.01 |
| 62) 4,6-Dinitro-2-methylphenol | 15.39 | 200 | 2012  | 1.29 | ng/ul | 0.00  |
| 70) Anthracene-d10             | 17.06 | 188 | 38860 | 3.64 | ng/ul | -0.02 |
| 78) Pyrene-d10                 | 19.37 | 212 | 46112 | 4.80 | ng/ul | -0.01 |
| 89) Benzo(a)pyrene-d12         | 23.23 | 264 | 34015 | 3.60 | ng/ul | 0.00  |

|                         |       |     |         |         |       |     |
|-------------------------|-------|-----|---------|---------|-------|-----|
| Target Compounds        |       |     |         | Qvalue  |       |     |
| 6) Phenol               | 6.76  | 94  | 289272  | 130.369 | ng/ul | 92  |
| 11) 2-Methylphenol      | 8.00  | 108 | 5308    | 3.038   | ng/ul | 81  |
| 16) 4-Methylphenol      | 8.33  | 108 | 17904   | 9.319   | ng/ul | 96  |
| 24) 2,4-Dimethylphenol  | 9.52  | 107 | 26892m  | 10.945  | ng/ul |     |
| 28) Naphthalene         | 10.37 | 128 | 2324227 | 383.186 | ng/ul | 99  |
| 34) 2-Methylnaphthalene | 11.98 | 142 | 106731  | 22.838  | ng/ul | 100 |
| 40) 1,1'-Biphenyl       | 13.02 | 154 | 24761   | 3.647   | ng/ul | 99  |
| 49) Acenaphthene        | 14.26 | 153 | 165995  | 28.491  | ng/ul | 99  |
| 53) Dibenzofuran        | 14.60 | 168 | 101287  | 11.672  | ng/ul | 98  |
| 58) Fluorene            | 15.26 | 166 | 85561   | 11.706  | ng/ul | 99  |
| 69) Phenanthrene        | 17.00 | 178 | 131769  | 10.920  | ng/ul | 99  |
| 74) Carbazole           | 17.38 | 167 | 245225  | 21.622  | ng/ul | 99  |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

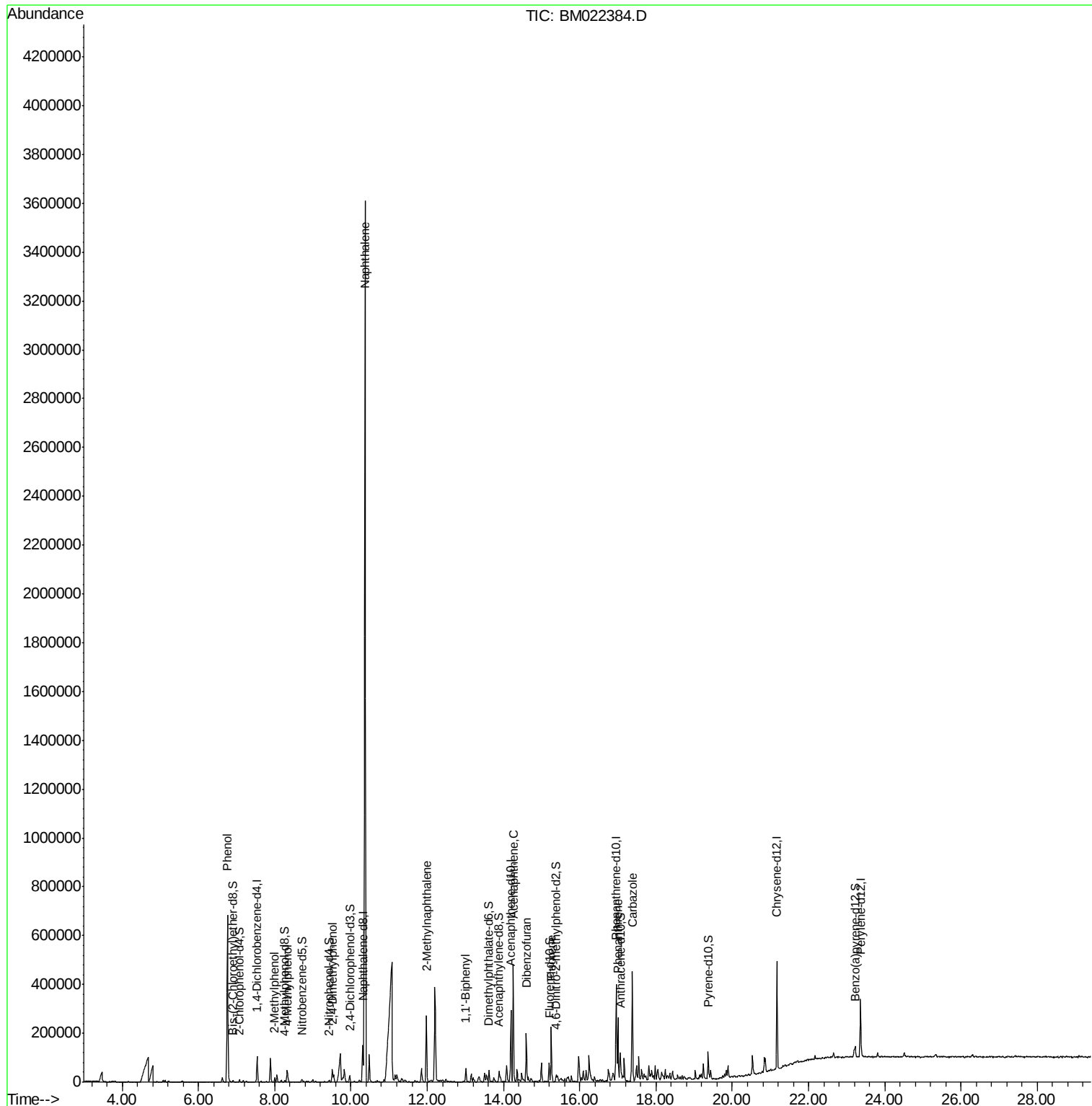
Data File : BM022384.D  
Acq On : 28 Aug 2019 12:21  
Operator : HP/JU  
Sample : K4395-04DL 10X  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

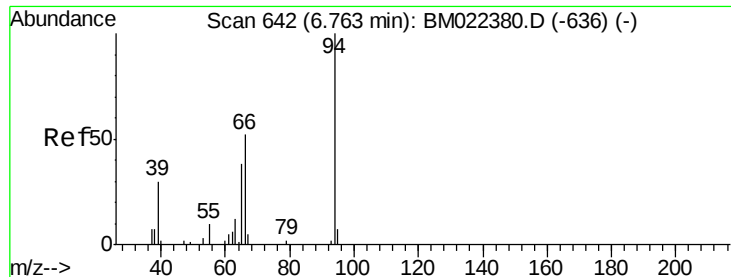
Instrument :  
BNA\_M  
ClientSampleId :  
C0AE2DL

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM082219MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Aug 28 13:13:56 2019  
Response via : Initial Calibration





#6

Phenol

Concen: 130.369 ng/ul

RT: 6.76 min Scan# 642

Delta R.T. -0.01 min

Lab File: BM022384.D

Acq: 28 Aug 2019 12:21

Instrument :

BNA\_M

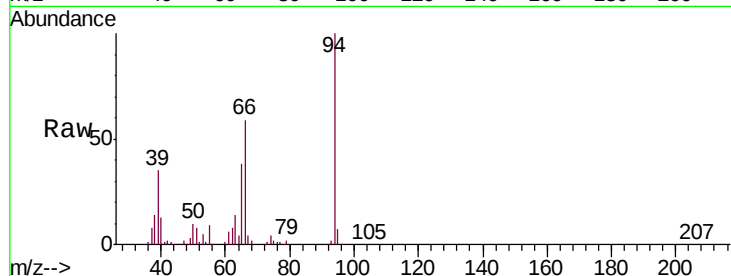
ClientSampleId :

C0AE2DL

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 289272 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 38.4  | 29.2  | 43.8   |
| 66       | 58.6  | 40.6  | 60.8   |

Manual Integrations  
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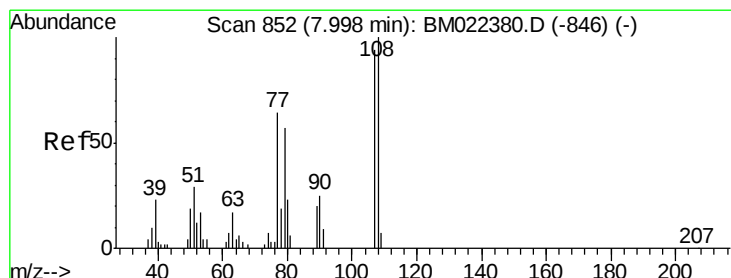
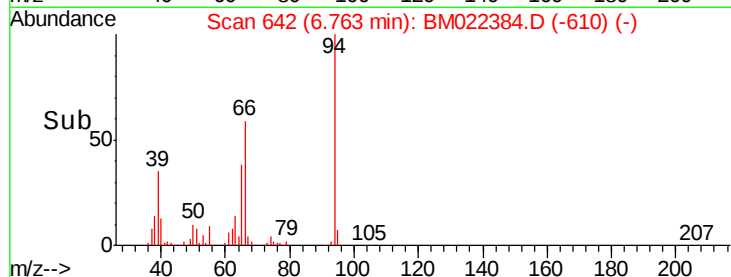
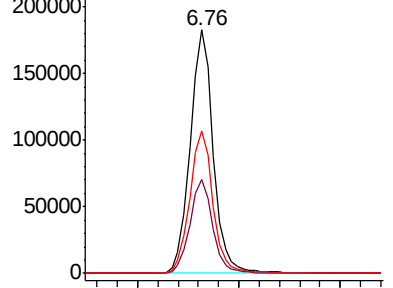
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Abundance Ion 94.00 (93.70 to 94.70): BM022384.D (-610) (-)

Ion 65.00 (64.70 to 65.70): BM022384.D (-610) (-)

Ion 66.00 (65.70 to 66.70): BM022384.D (-610) (-)



#11

2-Methylphenol

Concen: 3.038 ng/ul

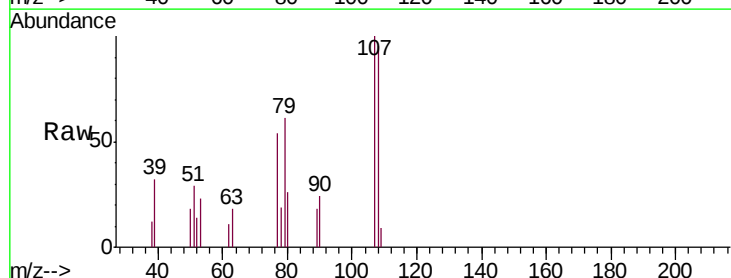
RT: 8.00 min Scan# 853

Delta R.T. -0.01 min

Lab File: BM022384.D

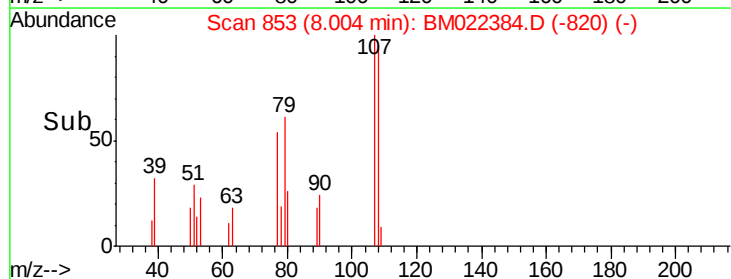
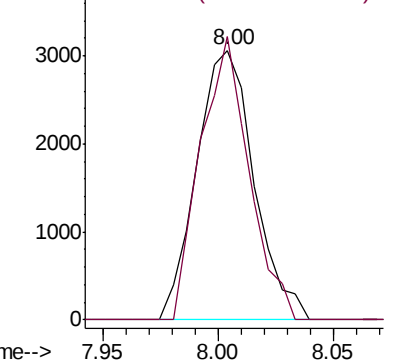
Acq: 28 Aug 2019 12:21

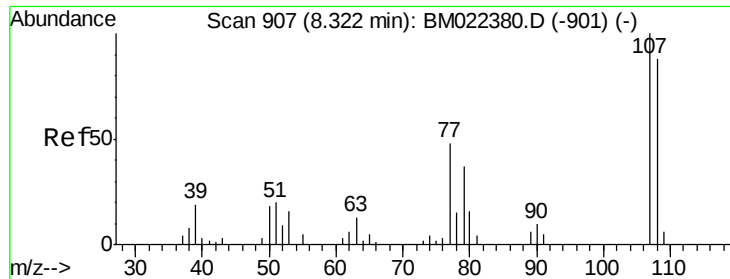
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 108   | Resp: | 5308  |
| Ion      | Ratio | Lower | Upper |
| 108      | 100   |       |       |
| 107      | 105.0 | 70.1  | 105.1 |



Abundance Ion 108.00 (107.70 to 108.70): BM022384.D (-820) (-)

Ion 107.00 (106.70 to 107.70): BM022384.D (-820) (-)





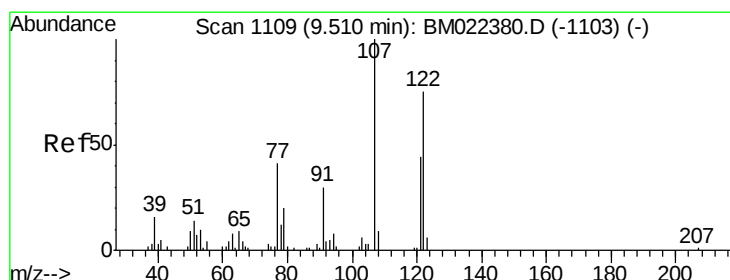
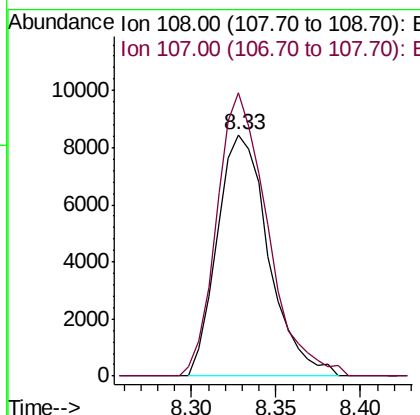
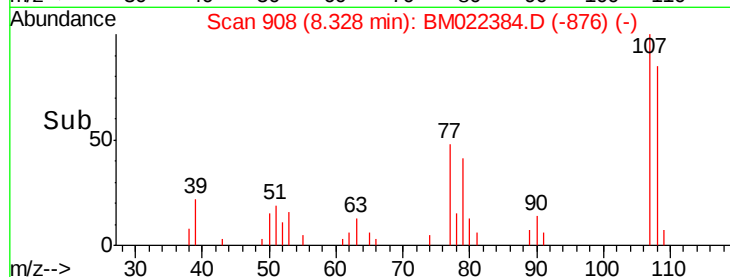
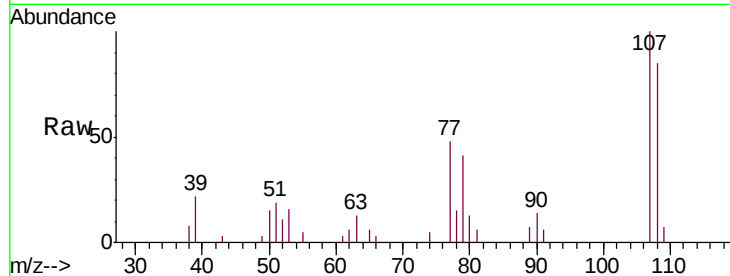
#16  
4-Methylphenol  
Concen: 9.319 ng/ul  
RT: 8.33 min Scan# 908  
Delta R.T. -0.01 min  
Lab File: BM022384.D  
Acq: 28 Aug 2019 12:21

Instrument :  
BNA\_M  
ClientSampleId :  
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Tgt Ion:108 Resp: 17904  
Ion Ratio Lower Upper  
108 100  
107 117.4 90.8 136.2

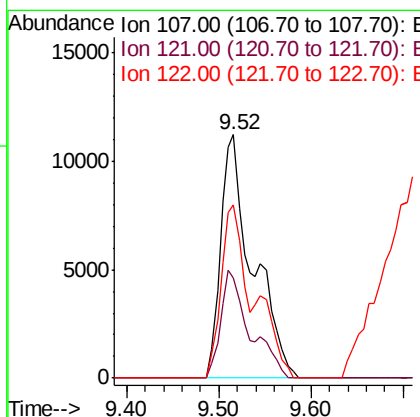
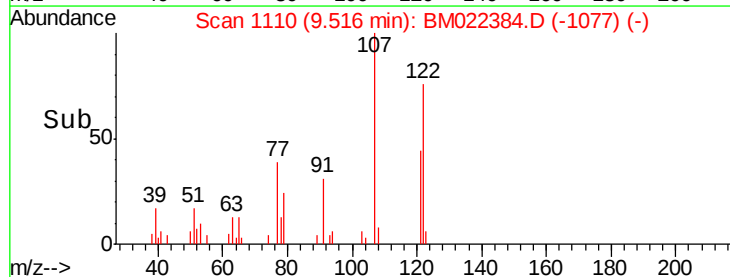
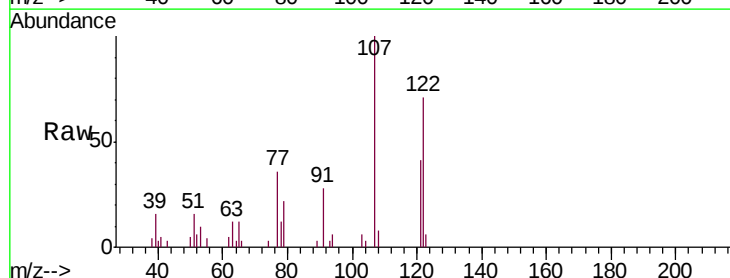
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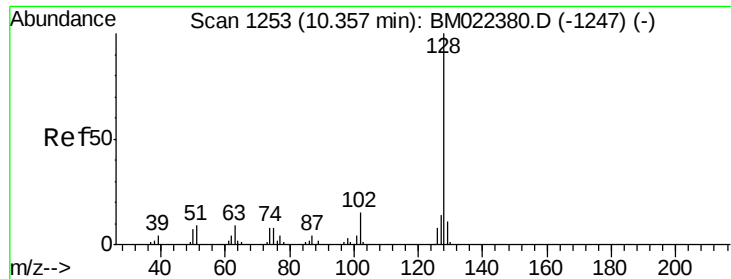
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#24  
2,4-Dimethylphenol  
Concen: 10.945 ng/ul m  
RT: 9.52 min Scan# 1110  
Delta R.T. -0.01 min  
Lab File: BM022384.D  
Acq: 28 Aug 2019 12:21

Tgt Ion:107 Resp: 26892  
Ion Ratio Lower Upper  
107 100  
121 40.9 33.6 50.4  
122 71.0 58.0 87.0





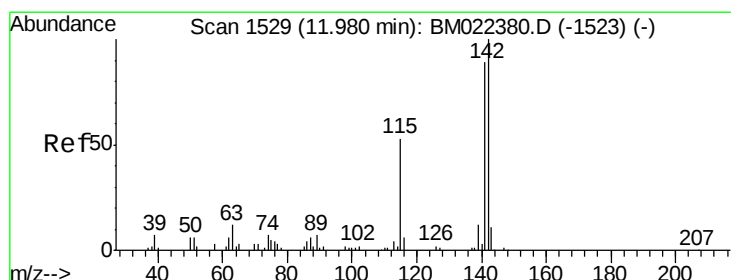
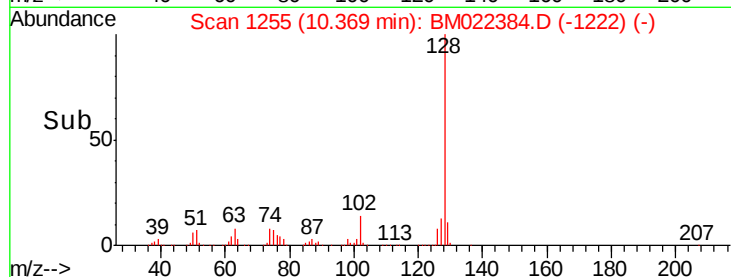
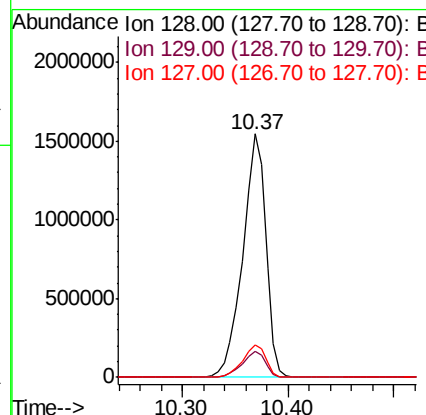
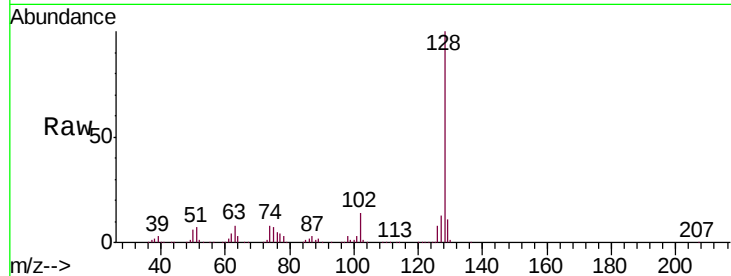
#28  
Naphthalene  
Concen: 383.186 ng/ul  
RT: 10.37 min Scan# 1255  
Delta R.T. -0.01 min  
Lab File: BM022384.D  
Acq: 28 Aug 2019 12:21

Instrument :  
BNA\_M  
ClientSampleId :  
C0AE2DL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 10.9  | 8.6   | 13.0  |
| 127     | 13.4  | 10.4  | 15.6  |

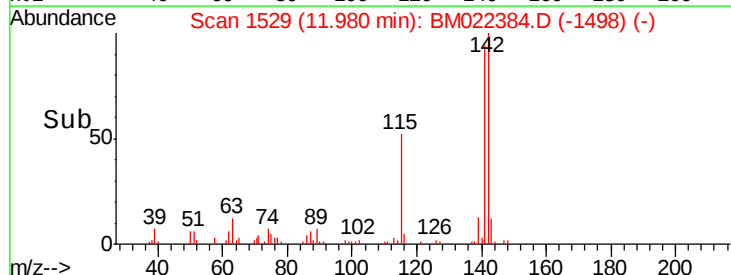
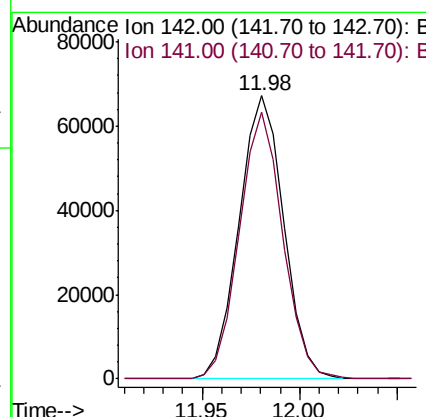
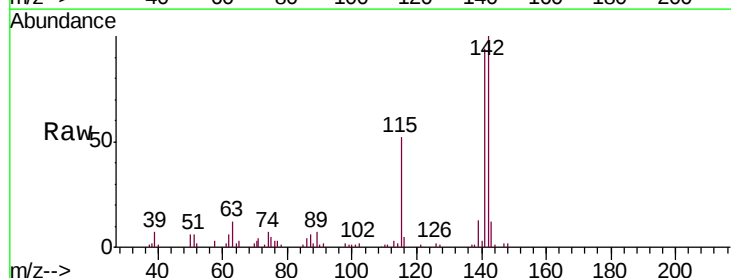
Manual Integrations  
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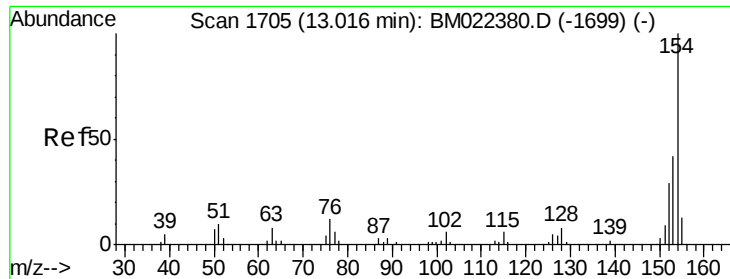
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#34  
2-Methylnaphthalene  
Concen: 22.838 ng/ul  
RT: 11.98 min Scan# 1529  
Delta R.T. -0.02 min  
Lab File: BM022384.D  
Acq: 28 Aug 2019 12:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 94.1  | 75.1  | 112.7 |





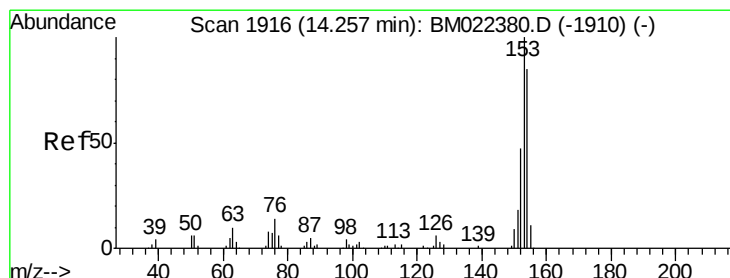
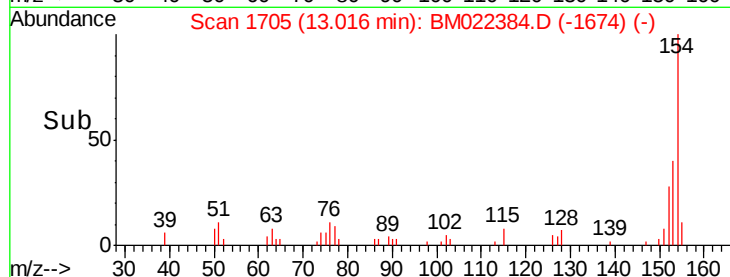
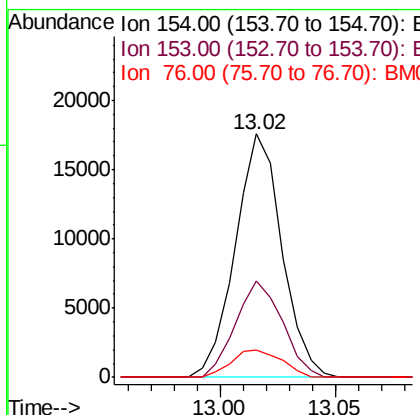
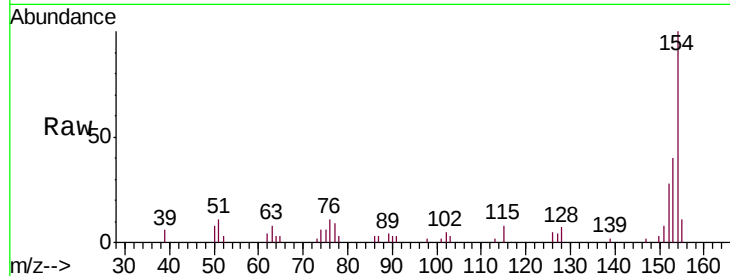
#40  
1,1'-Biphenyl  
Concen: 3.647 ng/ul  
RT: 13.02 min Scan# 1705  
Delta R.T. -0.02 min  
Lab File: BM022384.D  
Acq: 28 Aug 2019 12:21

Instrument :  
BNA\_M  
ClientSampleId :  
C0AE2DL

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 154     | 100   | 24761 |       |       |
| 153     | 39.7  |       | 32.5  | 48.7  |
| 76      | 11.1  |       | 9.2   | 13.8  |

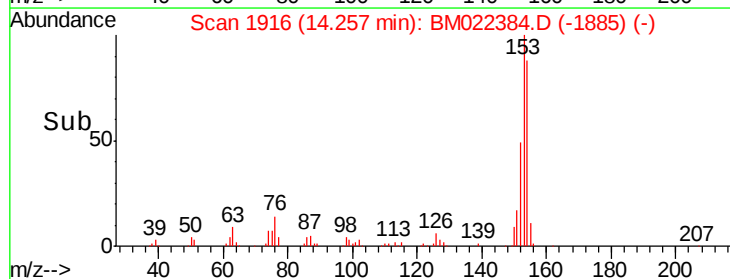
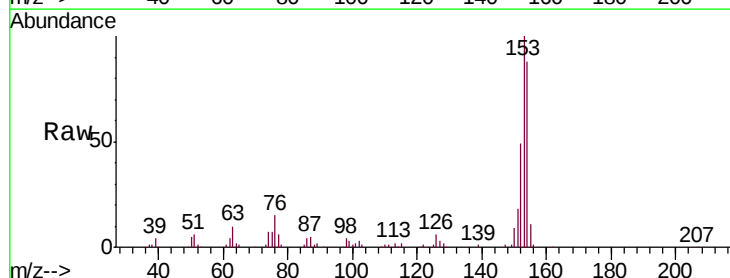
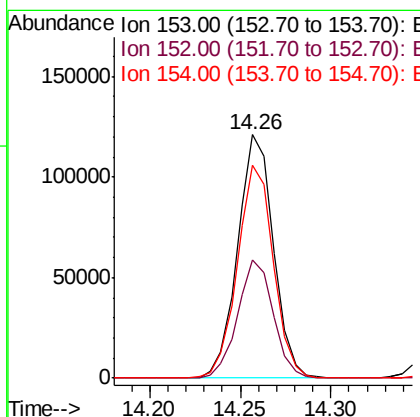
Manual Integrations  
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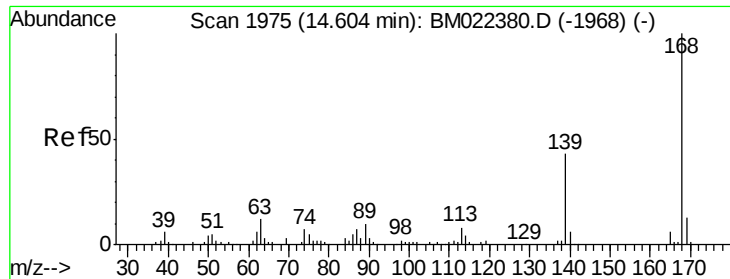
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#49  
Acenaphthene  
Concen: 28.491 ng/ul  
RT: 14.26 min Scan# 1916  
Delta R.T. -0.02 min  
Lab File: BM022384.D  
Acq: 28 Aug 2019 12:21

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 153     | 100   | 165995 |       |       |
| 152     | 48.7  |        | 38.6  | 58.0  |
| 154     | 87.5  |        | 68.9  | 103.3 |





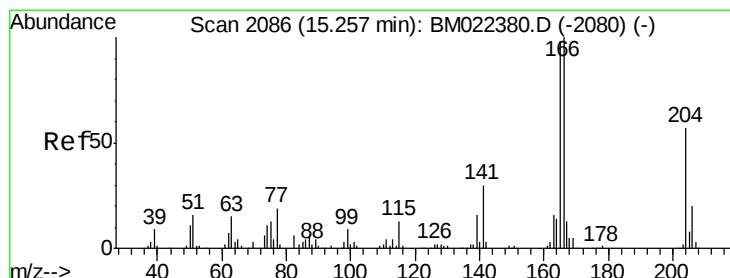
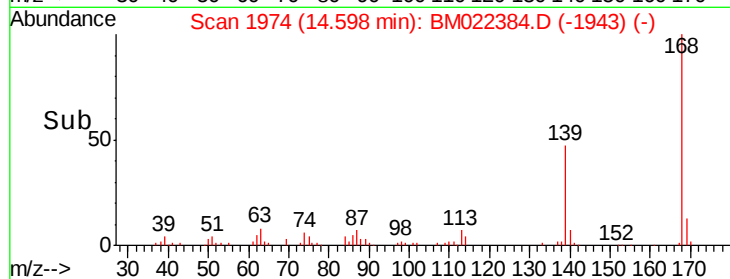
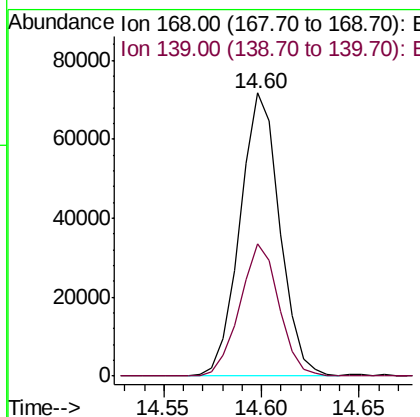
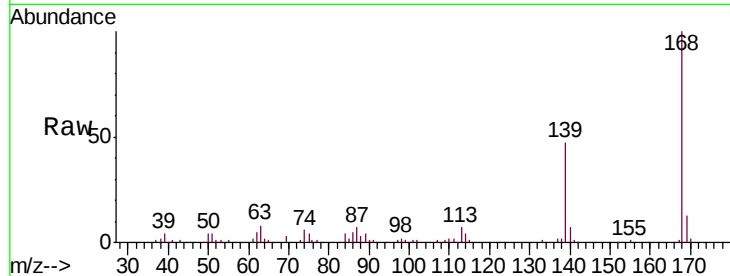
#53  
Dibenzenofuran  
Concen: 11.672 ng/ul  
RT: 14.60 min Scan# 1974  
Delta R.T. -0.02 min  
Lab File: BM022384.D  
Acq: 28 Aug 2019 12:21

Instrument :  
BNA\_M  
ClientSampleId :  
C0AE2DL

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 168     | 100   | 101287 |       |       |
| 139     | 46.8  | 36.2   | 54.4  |       |

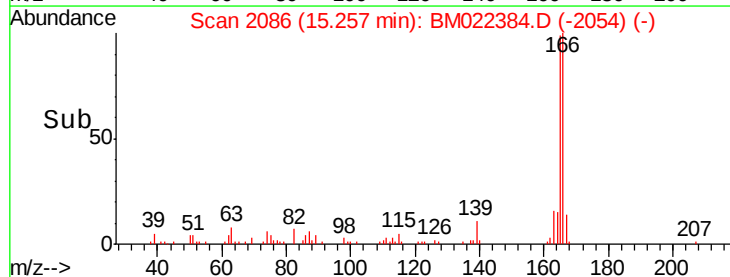
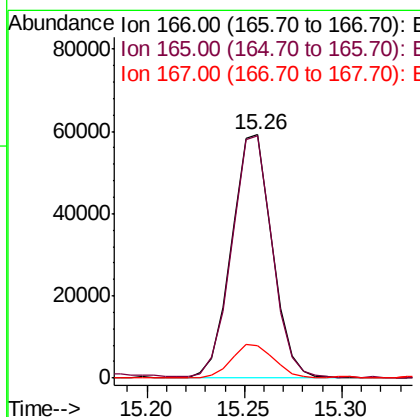
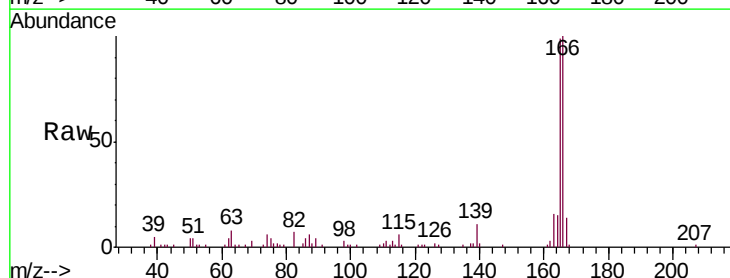
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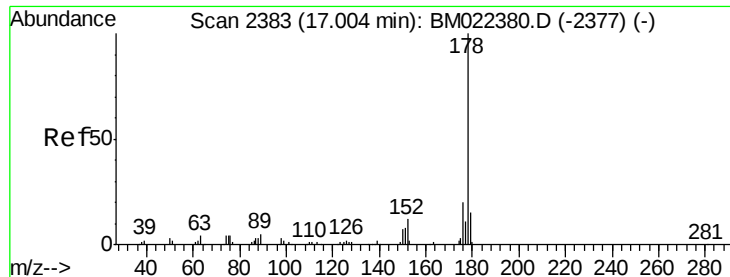
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#58  
Fluorene  
Concen: 11.706 ng/ul  
RT: 15.26 min Scan# 2086  
Delta R.T. -0.01 min  
Lab File: BM022384.D  
Acq: 28 Aug 2019 12:21

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 166     | 100   | 85561 |       |       |
| 165     | 99.4  | 80.2  | 120.2 |       |
| 167     | 13.6  | 11.4  | 17.0  |       |





#69

Phenanthrene

Concen: 10.920 ng/ul

RT: 17.00 min Scan# 2383

Delta R.T. -0.01 min

Lab File: BM022384.D

Acq: 28 Aug 2019 12:21

Instrument :

BNA\_M

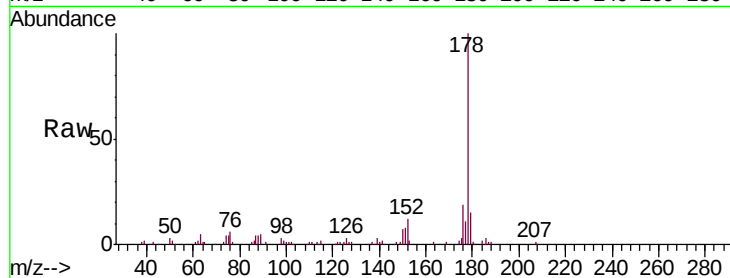
ClientSampleId :

C0AE2DL

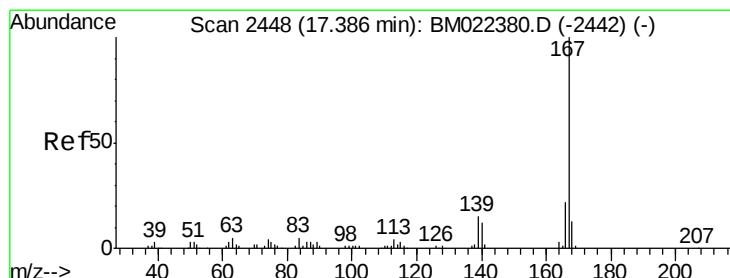
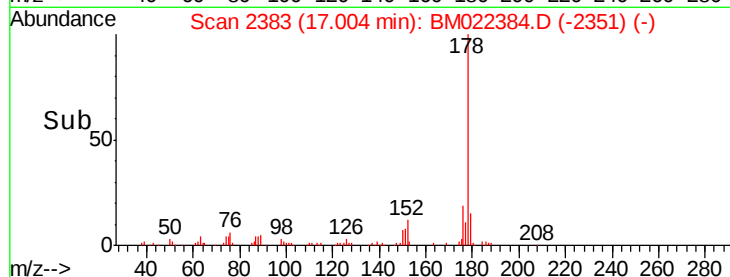
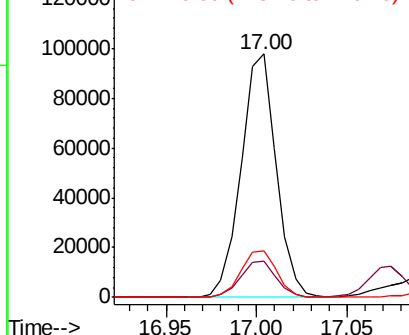
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 178   | Resp: | 131769 |
| Ion      | Ratio | Lower | Upper  |
| 178      | 100   |       |        |
| 179      | 15.1  | 12.4  | 18.6   |
| 176      | 19.3  | 15.4  | 23.0   |

Manual Integrations  
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Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 179.00 (178.70 to 179.70): E  
Ion 176.00 (175.70 to 176.70): E



#74

Carbazole

Concen: 21.622 ng/ul

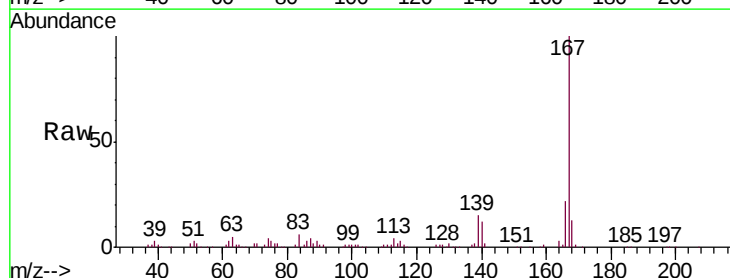
RT: 17.38 min Scan# 2447

Delta R.T. -0.02 min

Lab File: BM022384.D

Acq: 28 Aug 2019 12:21

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 167   | Resp: | 245225 |
| Ion      | Ratio | Lower | Upper  |
| 167      | 100   |       |        |
| 166      | 21.8  | 17.8  | 26.8   |
| 139      | 14.8  | 11.8  | 17.8   |



Abundance Ion 167.00 (166.70 to 167.70): E  
Ion 166.00 (165.70 to 166.70): E  
Ion 139.00 (138.70 to 139.70): E

